

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

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## Complete If Known

Application Number  
Filing Date **April 15, 2005**  
First Named Inventor **Boppel**  
Art Unit  
Examiner Name  
Attorney Docket Number **WI.2009 PCT-US**

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/DC/ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	1	US- 3,744,693	07-10-1973	Greiner	
	2	US- 4,957,045	09-18-1990	Messerschmitt	
	3	US- 5,031,528	07-16-1991	Messerschmitt	
	4	US- 5,078,061	01-07-1992	Messerschmitt	
	5	US- 5,423,468	06-13-1995	Liedtke	
	6	US- 5,850,788	12-22-1998	Janser et al.	
	7	US- 6,408,747	06-25-2002	Koppelkamm et al.	
	8	US- 6,514,623	02-04-2003	Endisch et al.	
	9	US- 6,789,476	09-14-2004	Langsch	
	10	US- 6,748,861	06-15-2004	Riepenhoff et al.	
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## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/DC/ ↓ ↓ ↓ ↓	1	DE 2 215 532	04-10-1973	Saueressig		
	2	DE 32 25 360 A1	09-02-1984	Fischer et al.		
	3	DE 38 12 826 A1	12-01-1989	Gleich		
	4	DE 42 00 769 C1	22-07-1993	Janser et al.		
	5	DE 43 30 681 A1	16-03-1995	Stuhlmiller et al.		

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Signature

/Daniel Colilla/

Date  
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08/08/2007

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JC12 Rec'd PCT/PTC 15 APR 2005

PTO/SB/08a (08-03)

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Application Number	10/531,211
Filing Date	April 15, 2005
First Named Inventor	Boppel
Art Unit	2854
Examiner Name	Dan Colilla
Attorney Docket Number	W1.2009 PCT-US

### U. S. PATENT DOCUMENTS

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		US-			
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		Country Code <sup>3</sup> Number * Kind Code <sup>4</sup> (if known)				
/DC/	6	DE 44 46 546 A1	27-06-1996	Warnier et al.		
↓	7	DE 195 27 761 A1	30-01-1997	Tusche		
↓	8	DE 198 29 094 A1	05-01-2000	Kemmerer et al.		
↓	9	DE 198 29 095 A1	05-01-2000	Lang et al.		
/DC/	10	DE 198 50 968 A1	25-05-2000	Endisch et al.		

Examiner Signature	/Daniel Colilla/	Date Considered	08/08/2007
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## Application Number

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April 15, 2005

**First Named Inventor**

**Boppel**

## Art Unit

**Examiner Name**

Attorney Docket Number

~~WI.2009 PCT-US~~

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/DC/	11	DE 198 53 414 A1	02-09-1999	Marcle-Geler et al.		
↓	12	DE 199 11 965 A1	28-09-2000	Jiang et al.		
	13	DE 200 08 665 U1	28-09-2000			
	14	DE G 93 11 113.4	21-10-1993	Zirkon		
/DC/	15	EP 0 705 785 A2	10-04-1996	Long et al.		

**Examiner  
Signature**

/Daniel Colilla/

Date	
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Application Number	
Filing Date	<b>April 15, 2009</b>
First Named Inventor	<b>Boppel</b>
Art Unit	
Examiner Name	
Attorney Docket Number	<b>WI.2009 PCT-US</b>

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**WI.2009 PCT-US**

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		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known)				
/DC/	16	EP 0 933 200 A1	21-01-1999	Koppelkamm et al.		
↓	17	EP 1 369 368 A1	03-06-2003	Langsch		
	18	GB 1 420 147	07-01-1976	Saueressig		
	19	GB 2 122 945 A	25-01-1984	Fischer et al.		
/DC/	20	JP 6-39991	15-02-1994	Akio et al.		

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10/03/2017  
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Art Unit	
Examiner Name	
Attorney Docket Number	<b>WI.2009 PCT-US</b>

Sheet	5	of	5	Attorney Docket Number	WL-2009 PCT-US
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		Country Code <sup>2</sup> Number* Kind Code <sup>3</sup> (if known)				
/DC/	21	JP 7-53102	28-02-1995	Takasama		
↓	22	JP 57-167330	15-10-1982	Tomio et al.		
	23	JP 59-192571	31-10-1984	Michihiko		
/DC/	24	JP 61-12396	20-01-1986	Kiyokazu		

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